

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

subject: Process and apparatus for the integral utilization of oil-producing drupes,
particularly olives, and specific products obtained

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ABSTRACT OF THE DISCLOSURE

A process and an apparatus for the processing of oil-producing drupes, notably olives, is described comprising at least one device (20, 24) for the processing of whole drupes which effects a physical destructuring with incipient detachment of the drupe pulp from the skins and stones, under conditions which substantially avoid the oxidation mainly of the pulp's natural antioxidants; at least one device (42, 52; 110; 120, 124, 130, 134, 160, 170) for the physical separation and recovery (at 100) of the pulp essentially devoid of stones and advantageously skins, and (at 92, 96, 110) of the stones essentially devoid of pulp, advantageously with the skins, ly under conditions which substantially avoid oxidation; and at least one device (160, 170, 172, 174) for the separation and recovery of the pulp oil essentially devoid of stone oil and containing the pulp's natural antioxidants, thereby improving the purity and oxidation resistance of the pulp oil.

Figure 2

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